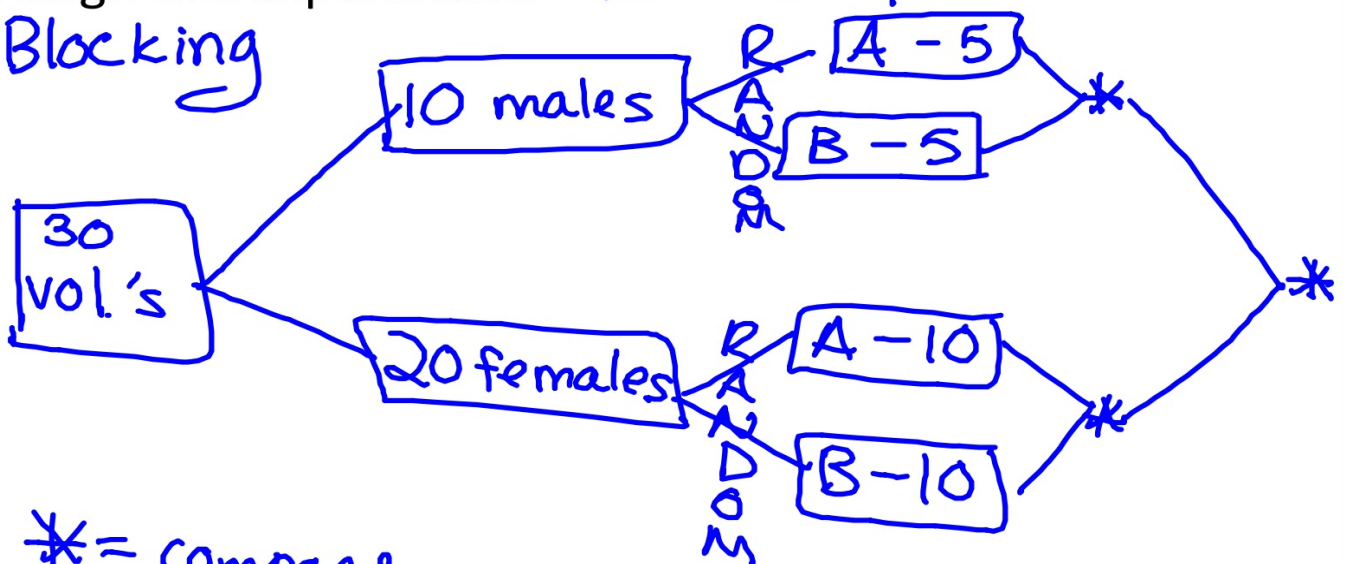


Example: I have 30 volunteers. I want to randomly assign them to two weight loss drugs: A and B. I want to see which weight loss drug works better after 3 weeks.

Design this experiment. 10 males, 20 females.

Blocking



* = compare weight loss

The volunteers are labeled 01 - 30 already. Using the table of random digits below, assign them to the two treatment groups (A and B).

45612	31110	04521	70230	98092	74110	22123
<u>A (15)</u> 23 11 10 04 17 02 30			<u>B (15)</u> 09 ...			

Core 3 practice 1

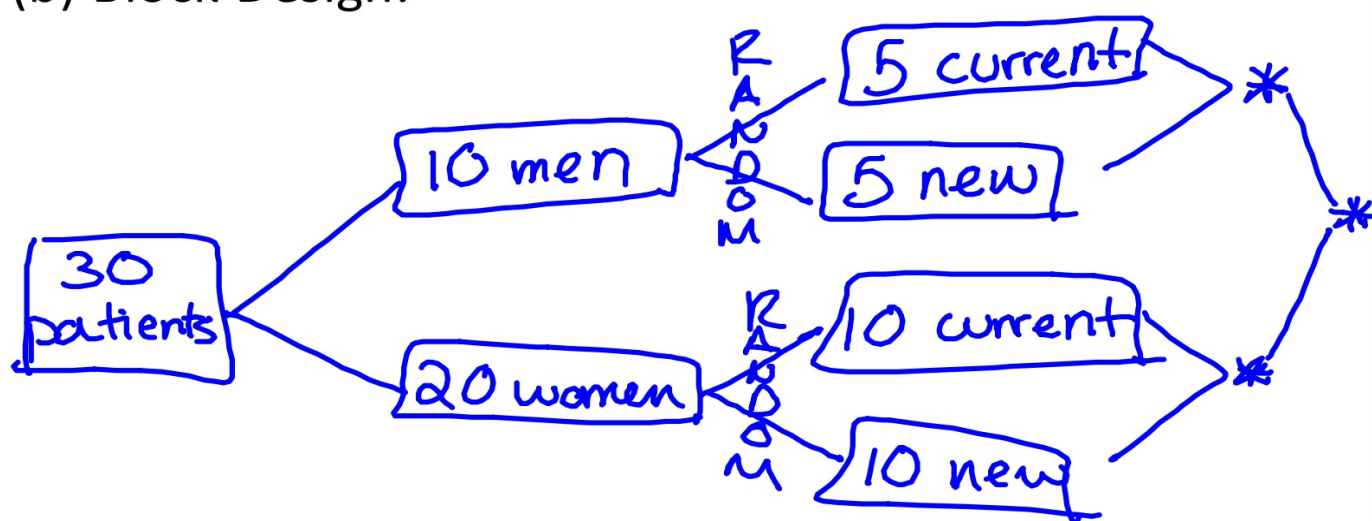
(a) ② Explanatory = cholesterol drug

Response = decrease in chol. level

① Treatments = new & current drug

Individuals/Subjects = 30 people w/ high chol.

(b) Block Design:



* = compare decrease
in chol. level

(c) NEW

07

08

10

04

02

CURRENT

01

03

05

06

09

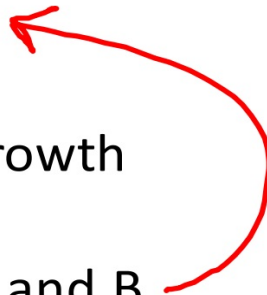
Core 3 practice 2

(a) Explanatory = Fertilizer

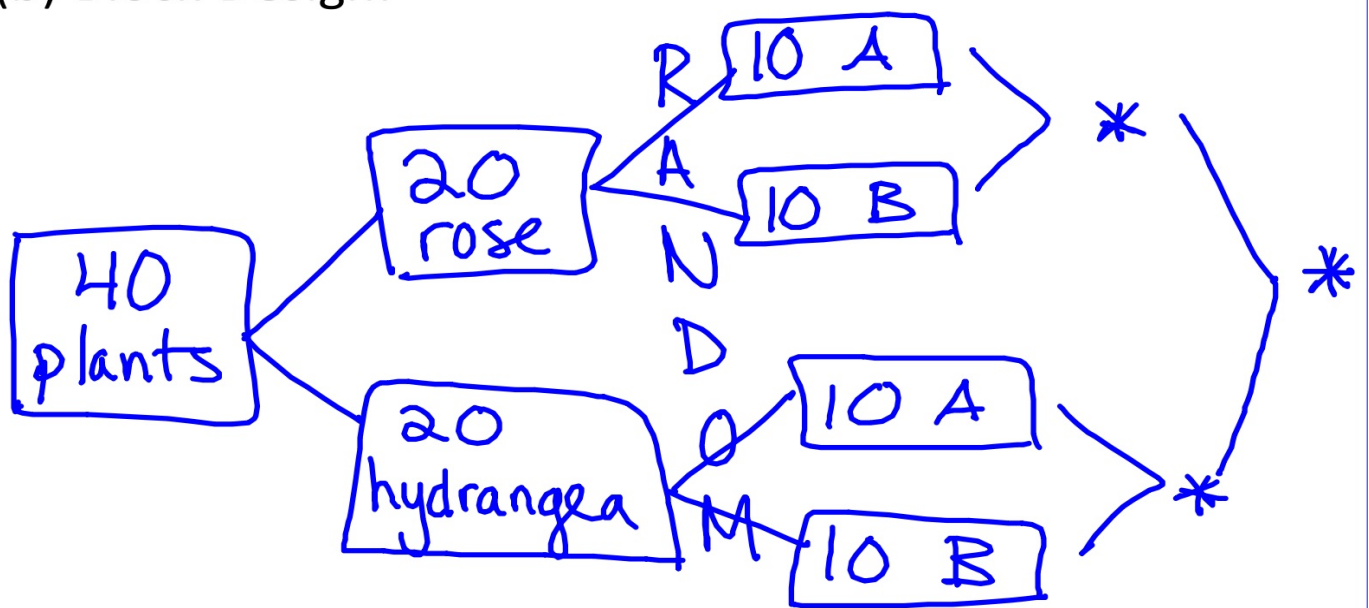
Response = amount of growth

Treatments = Fertilizer A and B

Individuals/Subjects = 40 plants



(b) Block Design:



*compare amount
of plant growth

(c) Rose plants:

A

10

03

09

01

20

13

08

15

17

16

B

02

04

05

06

07

11

12

14

18

19